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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/939,581

DATE: 10/25/2001
TIME: 10:10:46

Input Set : N:\Crf3\RULE60\09939581.txt
Output Set: N:\CRF3\10252001\1939581.raw

th ?. 4 <110> APPLICANT: Hermeking, Heiko Vogelstein, Bert Kinzler, Kenneth 8 <120> TITLE OF INVENTION: 14-3-3 SIGMA ARREST THE CELL CYCLE 11 <130> FILE REFERENCE: 1107.77810 13 <140> CURRENT APPLICATION NUMBER: 09/939,581 14 <141> CURRENT FILING DATE: 2001-08-28 16 <150> PRIOR APPLICATION NUMBER: 09/210,748 17 <151> PRIOR FILING DATE: 1998-12-15 ENTERED 19 <160> NUMBER OF SEQ ID NOS: 18 21 <170> SOFTWARE: FastSEQ for Windows Version 3.0 23 <210> SEQ ID NO: 1 24 <211> LENGTH: 1320 25 <212> TYPE: DNA 26 <213> ORGANISM: Homo sapiens 28 <400> SEQUENCE: 1 60 29 gagagacaca gagteeggea ttggteecag geageagtta geeegeegee egeetgtgtg 120 tececagage catggagaga gecagtetga tecagaagge caagetggea gageaggeeg 31 aacgctatga ggacatggca gccttcatga aaggcgccgt ggagaagggc gaggagctct 180 240 32 cctgcgaaga gcgaaacctg ctctcagtag cctataagaa cgtggtgggc ggccagaggg 300 33 ctgcctggag ggtgctgtcc agtattgagc agaaaagcaa cgaggagggc tcggaggaga 360 34 aggggcccga ggtgcgtgag taccgggaga aggtggagac tgagctccag ggcgtgtgcg 420 acaccqtqct qqqcctqctq qacaqccacc tcatcaagga ggccggggac gccgagagcc gggtcttcta cctgaagatg aagggtgact actaccgcta cctggccgag gtggccaccg 480 540 qtqacqacaa qaaqcqcatc attgactcag cccggtcagc ctaccaggag gccatggaca 37 600 38 tcaqcaaqaa qqaqatqccq cccaccaacc ccatccgcct gggcctggcc ctgaactttt 660 ccqtcttcca ctacqagatc gccaacagcc ccgaggaggc catctctctg gccaagacca 39 720 40 ctttcgacga ggccatggct gatctgcaca ccctcagcga ggactcctac aaagacagca 780 contract acagotycty cyayacaaco tyacactyty yacyycogac aacyccyyyy 41 840 42 aaqaqqqqq cqaqqctccc caggagcccc agagctgagt gttgcccgcc accgccccgc 900 43 cctqcccct ccaqtccccc accctqccqa qaqqactaqt atqqqqtqqq aggccccacc 44 cttctcccct aggcgctgtt cttgctccaa agggctccgt ggagagggac tggcagagct 960 1020 45 gaggecacet ggggetgggg ateceaetet tettgeaget gttgagegea eetaaceaet ggtcatgccc ccacccctgc tctccgcacc cgcttcctcc cgaccccagg accaggctac 1080 46 ttctcccctc ctcttqcctc cctcctqccc ctqctqcctc tgatcgtagg aattgaggag 1140 1200 tgtcccgcct tgtggctgag aactggacag tggcaggggc tggagatggg tgtgtgtg 49 tgtgtgtgtg tgtgtgtgtg cgcgcgccc agtgcaagac cgagactgag ggaaagcatg 1260 50 tetgetgggt gtgaccatgt tteeteteaa taaagtteee etgtgacaet caaaaaaaaa 1320 52 <210> SEQ ID NO: 2 53 <211> LENGTH: 248 54 <212> TYPE: PRT 55 <213> ORGANISM: Homo sapiens 57 <400> SEQUENCE: 2 Met Glu Arg Ala Ser Leu Ile Gln Lys Ala Lys Leu Ala Glu Gln Ala 59 1 5 10 Glu Arg Tyr Glu Asp Met Ala Ala Phe Met Lys Gly Ala Val Glu Lys 60

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66
67
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                                             75
    Val Arg Glu Tyr Arg Glu Lys Val Glu Thr Glu Leu Gln Gly Val Cys
68
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69
    Asp Thr Val Leu Gly Leu Leu Asp Ser His Leu Ile Lys Glu Ala Gly
70
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73
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    Arg Tyr Leu Ala Glu Val Ala Thr Gly Asp Asp Lys Lys Arg Ile Ile
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82
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99 gacctetttt ctacatagte ttttttaaat ggaaggagaa aatgteagee acattactgt
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100 ctgtgtagtg ccaggtgaag ggttatcaga aggctggttg gttttaataa gtttattcca
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101 agagacette tggetggaat gagtgagagt gtgtgtgcat gtgtgtgtgt gttcatgtgt
102 geoctytaty aatytygety geteecagat eccetygget geeecetyee ceateceett
                                                                            360
103 tqaqtatcag aagcactctg agccaagggg acagggggca cgtgcactgg tcacgagaaa
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104 accetggget eccaetgggg etcageceag ecteetatet tteettette tatggaette
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                                                                            540
105 agacagecag tgtetgggga etetgecaet etacececag ecetacecae eagececeag
106 qtqaqqcttc caqctqqqac ctqcccaqac aqqctqaqcc tgggcgtggt gggtgggtg
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107 atggctctgg ggagcggctg ccatcctaca agccacaccc cctcctctga gctctgaata
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108 tgggacccag tgccaggagc tggaagacaa ggtgtttctg ccaaacggga cctccatcca
                                                                            720
109 gagaaaagga agaaggtgca gggtgggcca agaggcaagt gaaggttggc ctgagtctgg
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110 qccqqaaact cagaqqatqt ttctcctctg ctgggagctg tagtttctta tcaaaataga
111 tattqttcca ccatccccct ccttggccct tcaagtgggc tgaagccttg gaaagtgaca
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112 taggaagtee ceagatettg ceetteteae teeagagget agtggteaea gaeagetggg
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			aaatttggtt				1260
			ttttccctca				1320
			agcccccatg				1380
			cctgcctcag				1440
	-		cccaatgagt				1500
		-	gcttccctgg				1560
			tggcccacct				1620
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			tecetgtegg				1740
			tcgccaaccc				1800
			gtggtagggt				1860
			aaagcccagc				1920
			aagaggaggt				1980
			tctgtgctgg				2040
			gctttctgtc				2100
			gctgcctaag				2160
			caccaccggg				2220
			ccttctttgc				2280
	-		gaccgctgct	-			2340
			acctgcctaa				2400
			tgcccggcct				2460
			ttcccgctcc				2520
			aatgtgactc				2580
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			ctgcttgtct				3060
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			cttagagttg				3780 3840
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				cagtgtcctg			4860
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VERIFICATION SUMMARY

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